	Application No.	Applicant(s)	
Notice of Allowability	09/779,123	SETHURAMAN ET	AL.
	Examiner	Art Unit	
	Hsien-Ming Lee	2823	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commu GHTS. This application is so	this application. If not include nication will be mailed in due	led course. THIS
1. This communication is responsive to <u>7/19/2004</u> .			
 2. ☐ The allowed claim(s) is/are 1-4,7-12,15 and 17-27. 3. ☐ The drawings filed on 08 October 2002 are accepted by the 	e Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application	n No	ation from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file IENT of this application.	a reply complying with the re	equirements
5. A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give			NOTICE OF
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.	con's Patent Drawing Review s Amendment / Comment or .84(c)) should be written on th	in the Office action of e drawings in the front (not th	e back) of
each sheet. Replacement sheet(s) should be labeled as such in the first such as such in the deposit of and/or INFORMATION about the deposit stacked Examiner's comment regarding REQUIREMENT in the such as the su	sit of BIOLOGICAL MATE	RIAL must be submitted.	Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	6. ☐ Interview Su Paper No./I 98), 7. ☐ Examiner's /		·
		HSIEN-MING LEE PRIMARY EXAMINED	e hour

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DETAILED ACTION

Remarks

1. The objection to claims 1, 9 and 17 is withdrawn.

2. The corrected drawings filed 10/8/2002 have been approved.

Allowable Subject Matter

3. Claims 1-4, 7-12, 15 and 17-27 are allowed.

4. The following is an examiner's statement of reasons for allowance:

The closest prior art of record, Jaso et al. to US 6,093,631, teaches a method, comprising:

- etching a plurality of laterally spaced dummy trenches 20 into a dielectric layer 14 between a first trench 15d and a series of second trenches 15a/15b/15c (Fig. 11B);
- filling the dummy trenches 20 and the first 15d and the series of second trenches 15a/15b/15c with a conductive material 16 (i.e. copper or aluminum or tungsten)(Fig. 11C and col.7, lines 3-7); and
- polishing the conductive material 16 to form dummy conductors in the dummy trenches 20 and interconnect in the first trench 15d and the series of second trenches 15a/15b/15c.

In contrast, Jaso et al. at least neither teach nor suggest that the *second* trenches is a relatively narrow compared to the first trench and that polishing the conductive material by applying a liquid substantially *free of particulate matter* between an abrasive polishing surface and the conductive material.

Therefore, the instant invention is neither anticipated nor rendered obvious over the prior art of record.

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5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hsien-Ming Lee whose telephone number is 571-272-1863. The examiner can normally be reached on Tuesday-Thursday ($8:00 \sim 6:00$).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 571-272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hsien-Ming Lee **Primary Examiner**

Sep. 21, 2004